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PTO/SB/08A (08-00)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>				Application Number		
				Filing Date		Herewith
				First Named Inventor		TAKAYAMA
				Group Art Unit		1742
				Examiner Name		Yee
Sheet	1	of	2	Attorney Docket Number		04005/LH

### U.S. PATENT DOCUMENTS

Exam. Inits <sup>1</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion

### FOREIGN PATENT DOCUMENTS

Exam. Inits <sup>1</sup>	Cite No <sup>1</sup>	off <sup>3</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
	X	JP	61-009555	A	TAKAYAMA ET AL	01-17-1986		X*
	X	JP	64-004459	A	ITABE ET AL	01-09-1989		X*
	X	JP	10-176219	A	TAKAYAMA ET AL	06-30-1998		X*
	X	JP	11-117059	A	TAKAYAMA ET AL	04-27-1999		X*
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	X	JP	2000-204464	A	HAMASAKA ET AL	07-25-2000		X*
	X	JP	2003-027181	A	TAKAYAMA ET AL	01-29-2003		X*
	X	JP	<del>2003-328078</del>	<del>A</del>	<del>TAKAYAMA</del>	<del>11-19-2002</del>		<del>X*</del>
			*English abstract attached.					

Examiner Signature	Deborah Yee	Date Considered	12-4-05
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<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Place a check here if English translation is attached.

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				Filing Date		Herewith	
				First Named Inventor		TAKAYAMA	
				Group Art Unit		1740	
				Examiner Name		Yell	
Sheet	2	of	2	Attorney Docket Number		03773/LH	
<b>OTHER PRIOR ART - NON-PATENT LITERATURE DOCUMENTS</b>							
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published					T <sup>2</sup>
		<del>K. KOMINE et al; ON RELATIONSHIP BETWEEN HALF-VALUE BREADTH AND HARDNESS OF QUENCHED-TEMPERED STEELS ; Materials Vol. 26, No.280, P26 issued by Society of Materials, Japan, pp. 24-30.</del> Date 7					
Examiner Signature	Deborah Yell			Date Considered	12-04-05		

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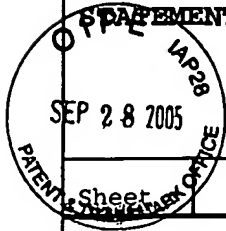
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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO

Application Number	10/790,959
Filed	March 1, 2004
First Named Inventor	Takemori TAKAYAMA
Group Art Unit	1742
Examiner Name	Deborah YEE
Attorney Docket Number	03773/HG

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**



Sheet 1 of 2

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Exam. Initials <sup>1</sup>	Cite No <sup>1</sup>	Document Number	Kind Code <sup>2</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion
DY ↓		2004/0256029	A1	TAKAYAMA et al.	12-23-2004	
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		4,992,111		YAMADA et al.	02-12-1991	

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Exam. Initials <sup>1</sup>	Cite No <sup>1</sup>	offc <sup>1</sup>	Document Number <sup>4</sup>	Kind Code <sup>5</sup>	Name of Patentee or Applicant	Publication Date MM-DD-YYYY	Relevant Portion	T <sup>6</sup>
DY ↓		JP	8-3629	A	MURAI	01-09-1996		*
		JP	62-218542	A	NAKAJIMA et al.	09-25-1987		*
		JP	2002-180183	A	ASANO et al.	06-26-2002		*
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		JP	2-175836	A	TODA	07-09-1990		*

Examiner Signature	Deborah Yee	Date Considered	12-4-05
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DATE MAILED: SEPTEMBER 23, 2005

\*ENGLISH-LANGUAGE ABSTRACT ENCLOSED

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				Filing Date		March 1, 2004	
				First Named Inventor		Takemori TAKAYAMA	
				Group Art Unit		1742	
				Examiner Name		Deborah YEE	
Sheet	2	of	2	Attorney Docket Number		03773/HG	
<b>OTHER DOCUMENTS - NON-PATENT LITERATURE DOCUMENTS</b>							
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of author (in CAPITAL LETTERS), title of article, title of item, date, page(s), volume-issue number(s), publisher, city and/or country where published					T <sup>2</sup>
dy		BRICK et al., "Structure and Properties of Engineering Materials," Martensite Transformation in Iron-Carbon Alloys, 4th Edition, (1978), pp. 152-154.					
Examiner Signature	Deborah Yee			Date Considered	12-4-05		

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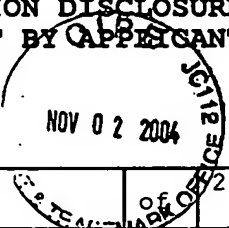
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		Filing Date	March 1, 2004
		First Named Inventor	T. TAKAYAMA
		Group Art Unit	1740
		Examiner Name	Not Yet Assigned <i>lee</i>
Sheet 1	of 2	Attorney Docket Number	03773/LH

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<i>OT</i>	B	JP	03-061348	A	KOMATSU LTD.	03-18-1991		X*
	C	JP	08-073929	A	KOMATSU LTD.	03-19-1996		X*
	D	JP	08-104924	A	KOMATSU LTD.	04-23-1996		X*
	E	JP	2004-076125	A	KOMATSU LTD.	03-11-2004		X*
			*English Language Abstract only					

Examiner Signature	<i>Deborah Lee</i>	Date Considered	<i>12-4-05</i>
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				Group Art Unit	1742
				Examiner Name	Not yet assigned Yee
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DT	F	Related U.S. Patent Application Serial No. 10/790,931, filed March 1, 2004; Inventor: T. TAKAYAMA et al.; Title: ROLLING ELEMENT AND METHOD OF PRODUCING THE SAME.			
	G	"HEAT TREATMENT OF STEEL" (5 <sup>TH</sup> Edition) Edited by: The Iron and Steel Institute of Japan, Publ. Office: Maruzen Co., Ltd., March 15, 1985			
Examiner Signature	Deborah Yee			Date Considered	12-04-05

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